

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 T (786) 315–2590 F (786) 315–2599

MIAMI-DADE COUNTY, FLORIDA

www.miamidade.gov/cconomy

Sunshine Windows Manufacturing, Inc. 1745 W. 33rd Place Hialeah, FL 33012

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "2000" Aluminum Single Hung Window - N.I.

APPROVAL DOCUMENT: Drawing No. SH08-02, titled "Series 2000 Aluminum Single Hung Non-Impact Resistant Glass", sheets 01 through 06 of 06, dated 04/14/08, with revision no. 2 dated 12/05/14, prepared by manufacturer, signed and sealed by Francisco Hernandez, P. E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 12-0320.09 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.



J. 645W1

NOA No. 14-1224.09 Expiration Date: May 08, 2018 Approval Date: April 09, 2015 Page 1

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under previous NOA No. 07-0119.07)
- 2. Drawing No. SH08–02, titled "Series 2000 Aluminum Single Hung Non-Impact Resistant Glass", sheets 01 through 06 of 06, dated 04/14/08, with revision no. 2 dated 12/05/14, prepared by manufacturer, signed and sealed by Francisco Hernandez, P. E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202–94
 - 4) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202–94

along with marked—up drawings and installation diagram of a series 2000 aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL—5124, dated 08/27/07, signed and sealed by Carlos S. Rionda, P. E.

(Submitted under previous NOA No. 07-0119.07)

- 2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202–94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202–94

along with marked—up drawings and installation diagram of a series 2000 aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL—5127, dated 03/28/07, signed and sealed by Michael Wenzel, P. E. (Submitted under previous NOA No. 07–0119.07)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC 5th Edition (2014), prepared by manufacturer, dated 12/06/14, signed and sealed by Francisco Hernandez, P. E.
- 2. Glazing complies with ASTM E1300–04/09

D. QUALITY ASSURANCE

1. Miami–Dade Department of Regulatory and Economic Resources (RER).

Jaime D. Gascon, P. E.

Product Control Section Supervisor NOA No. 14-1224.09

Expiration Date: May 08, 2018 Approval Date: April 09, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. Pecora Corp. Part No. Pecora 895 EPDM exterior glazing gasket complying with ASTM C 794—30 pli, ASTM D412—Tension of 550 PSI, ASTM D 624—40 lb./ in., ASTM D 2240—Hardness Shore A 27 Durometer, ASTM C 510—None, ASTM D 471—70 HRS 257°F and ASTM D 3835—3.0 HRS 180°F, ASTM C 719—±50%, ASTM D 3960—12 g/L, ASTM C 679—3hrs. 7 to 14 days, ASTM C 639—Nil.

F. STATEMENTS

- 1. Statement letter of conformance to, complying with FBC 5th Edition (2014) and of no financial interest, dated 12/28/14, signed and sealed by Francisco Hernandez, P. E.
- 2. Department of State Certification of SUNSHINE WINDOWS MANUFACTURING CORPORATION, INC. as a for profit corporation, active and organized under the laws of the State of Florida, dated 11/24/14 and filed by the Secretary of State.
- 3. Statement letter of conformance, complying with FBC-2010 and of no financial interest, dated 03/12/12, signed and sealed by Francisco Hernandez, P. E. (Submitted under previous NOA No.10-0222.05)
- 4. Laboratory compliance letter for Test Report No. FTL-5253, dated 10/10/07, issued by Fenestration Testing Laboratory, Inc., signed and sealed by Carlos S. Rionda, P. E. (Submitted under previous NOA No. 07-0119.07)
- 5. Laboratory compliance letter for Test Report No. FTL-5127, dated 03/28/07, issued by Fenestration Testing Laboratory, Inc., signed and sealed by Michael Wenzel, P. E. (Submitted under previous NOA No. 07-0119.07)

G. OTHERS

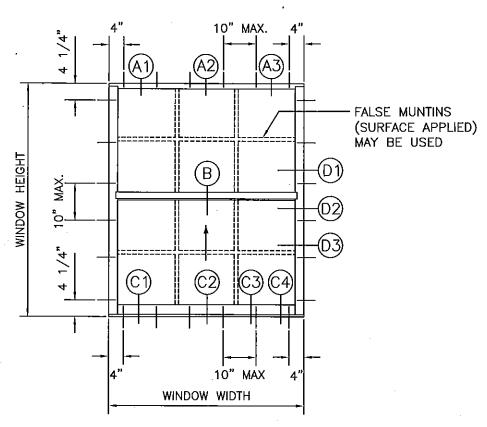
1. Notice of Acceptance No. 12–0320.09, issued to Sunshine Windows Manufacturing, Inc. for their Series "2000 Aluminum Single Hung Window – N.I.", approved on 05/17/12 and expiring on 05/08/18.

Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 14-1224.09

Expiration Date: May 08, 2018 Approval Date: April 09, 2015



TYPICAL ELEVATION 1 OVER 1

GENERAL NOTES:

- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF FBC 5TH EDITION (2014).
- 2.- MIAMI-DADE APPROVED SHUTTERS ARE REQUIRED.
- 3.- FOR NUMBER OF ANCHORS FOR EACH UNIT SIZE REFER TO DESIGN PRESSURES CHART.
- 4.— FOR ANCHOR TYPE AND SPACING REFER TO TYPICAL ELEVATIONS AND SECTIONS ON SHEET 2 THRU 4.
- 5.- CONCRETE / MASONRY STRUCTURE FOR UNIT ATTACHMENT SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
 - CONCRETE STRENGTH Fc'28 = 3000 PSI MIN.
 - CMU AS PER ASTM C90. CMU MUST BE 8-INCH THICK, NORMAL WEIGHT BLOCKS WITH A MINIMUM
 - COMPRESSIVE STRENGTH OF 1.9 KSI.
 - FILLED CMU Fm' = 2000 PSI MIN.
- 6.— USE NON-SHRINK, NON-METALIC HYDRAULIC CEMENT GROUT PER ASTM C1107/C1107M STANDARD SPECIFICATION FOR PACKAGED DRY.
- 7.- WOOD HOST STRUCTURE SHALL BE "SOUTHERN YELLOW PINE" G= 0.55 OR GREATER DENSITY.
- 8.- STEEL HOST STRUCTURE SHALL NOT BE LESS THAN 18 GAUGE. STEEL SHALL BE Fy = 36 KSI MIN.
- 9.— THE THICKNESS OF THE ALUMINUM HOST STRUCTURE SHALL NOT BE LESS THAN 1/8". ALUMINUM SHALL BE 6063—T6.
- 10.— 1X OR 2X WOOD BUCKS NOT INCLUDED IN THE SCOPE OF THIS PRODUCT APPROVAL SHALL BE PROPERLY ATTACHED TO SUSTAIN AND TRANSFER THE LOADS IMPOSED BY THE GLAZING SYSTEM TO THE STRUCTURE AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.
- 11.— ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN FBC 5TH EDITION (2014).

GLASS

1/8 ANNEALED, 3/16" ANNEALED, 1/4" ANNEALED OR 1/4" TEMPERED GLASS.

| | DESIGN PRESSURES CHART - PSF | | | | | | | | _ | | |
|---------------------|------------------------------|------------------------------------|----------|-----------------------|----------|----------|--------------|----------|---------|----------|----------|
| WINDOW DIMENSION | | 1/4" TAPCONS ANCHOR SCHEDULE | | DESIGN PRESSURE - PSF | | | | | | | |
| WIDTH HEIGHT | | PER HEAD AND SILL | PER JAMB | DSB-ANN | I. GLASS | 3/16" AN | N. GLASS | 1/4" ANN | . GLASS | 1/4" TEM | P. GLASS |
| | HEIGHT | | | EXT. | INT. | EXT. | INT. | EXT. | INT. | EXT. | INT. |
| 19 1/8" | | 3 | 3 | 75.3 | 204.0 | 75.3 | 209.0 | 75.3 | 209.0 | 75.3 | 209.0 |
| 26 1/2" | 26" | 3 | | 75.3 | 146.0 | 75.3 | 200.2 | 75.3 | 209.0 | 75.3 | 209.0 |
| 37" | | 4 | | 75.3 | 121.8 | 75.3 | 121.8 | 75.3 | 171.7 | 75.3 | 171.7 |
| 53 1/8 | | 6 | | 75.3 | 76.0 | 75.3 | 76.0 | 75.3 | 154.0 | 75.3 | 154.0 |
| 19 1/8" | | 3 | 4 | 75.3 | 130.0 | 75.3 | 194.4 | 75.3 | 194.4 | 75.3 | 194.4 |
| 26 1/2 | | 3 | | 75.3 | 88.0 | 75.3 | 160.9 | 75.3 | 160.9 | 75.3 | 160.9 |
| 37* | 38 3/8" | 4 | | 58.2 | 58.2 | 75.3 | 93.3 | 75.3 | 145.7 | 75.3 | 145.7 |
| 53 1/8" | 1 | 6 | | 42.5 | 42.5 | 55.5 | 55.5 | 75.3 | 112.4 | 75.3 | 112.4 |
| 19 1/8" | _ | 3 | 6 | 75.3 | 93.2 | 75.3 | 200.0 | 75.3 | 204.6 | 75.3 | 204.6 |
| 26 1/2 | 1 | 3 | | 74.0 | 74.0 | 75.3 | 130.0 | 75.3 | 162.2 | 75.3 | 162.2 |
| 37* | 50 5/8" | 4 | | 50.6 | 50.6 | 75.3 | 81.2 | 75.3 | 124.0 | 75.3 | 135.2 |
| 53 1/8" | | 6 | | 30.7 | 30.7 | 45.6 | 45.6 | 75.3 | 87.1 | 75.3 | 92.3 |
| 19 1/8" | | 3 | 7 | 73.0 | 73.0 | 75.3 | 163.0 | 75.3 | 183.5 | 75.3 | 183.5 |
| 26 1/2" | 63" | 3 | | 58.8 | 58.8 | 75.3 | 102.0 | 75.3 | 141.0 | 75.3 | 142.2 |
| 37" | | 4 | | 45.5 | 45.5 | 73.8 | 73.8 | 75.3 | 95.8 | 75.3 | 113.9 |
| 53 1/8 | | 6 | | 30.2 | 30.2 | 40.0 | 40.0 | 62.6 | 62.6 | 75.3 | 96.9 |
| 19 1/8 | 74 1/4" | 3 | 8 | 60.8 | 60.8 | 75.3 | 143.0 | 75.3 | 173.2 | 75.3 | 173.2 |
| 26 1/2" | | 3 | | 48.6 | 48.6 | 75.3 | 84.2 | 75.3 | 120.0 | 75.3 | 132.6 |
| 37* | | 4 | | 40.0 | 40.0 | 63.5 | 63.5 | 75.3 | 82.1 | 75.3 | 103.9 |
| 53 1/8 | | 6 | | _ | - | T | - | 55.8 | 55.8 | 75.0 | 75.0 |

PRODUCT REVISED
as complying with the Plorids
Building Code
Acceptance No
Expiration Date
O,5/08/2018

By
frami Dade Product Control

12-05-14

FRANCISCO HERNANDEZ FLORIDA PE # 51393 Sunshine Windows

Manufacturing, Inc. 1745 W. 33rd Place Hialeah, Florida 33012 Ph: (305)364-9952

Fax:(305)828-5118

S 2000 ALUMINUM SINGLE HUNG ACT RESISTANT GLASS

SERIES 20

06-12 UPDATED FOR 2010 FBC

05-14 REVISION IN COMPLIANCE WITH
FBC 5TH EDITION (2014)

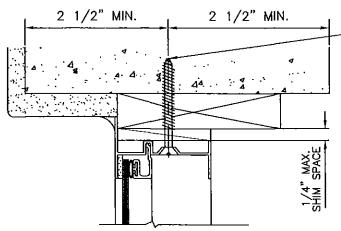
NON-IMPACT

drawing no. SHO8-02

원-12

DATE: 04-14-08 SCALE: 1/2"=1"

SHEET 1 OF 6

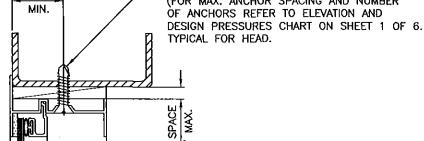


1/4" ULTRACON 1 1/4" MIN. EMBEDMENT INTO CONCRETE THROUGH 1 BY WOOD BUCK. ON SHEETS 1 OF 6). TYPICAL FOR HEAD.

DETAIL A1 ATTACHMENT TO CONCRETE

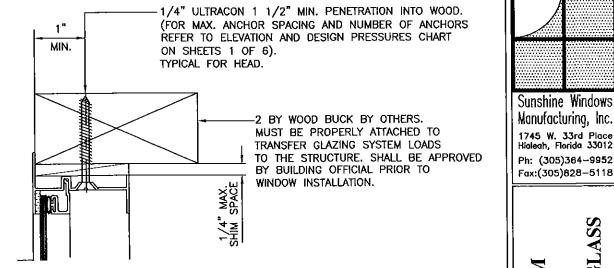
TYPICAL ANCHORS

1/4" SMS THROUGH METAL. (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATION AND

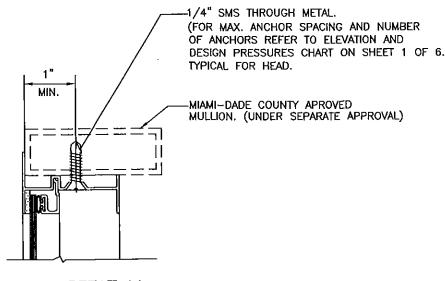


DETAIL A3 ATTACHMENT TO METAL STRUCTURE DETAIL (STEEL OR ALUMINUM 1/8" MIN. THICKNESS)

(FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATION AND DESIGN PRESSURES CHART



DETAIL A2 ATTACHMENT TO WOOD



DETAIL A4 ATTACHMENT TO MULLION (STEEL OR ALUMINUM 1/8" MIN. THICKNESS)

> PRODUCT REVISED Miami Dade Product Control

FRANCISCO HERNANDEZ FLORIDA PE # 51393

1745 W. 33rd Place Hideah, Florida 33012 Ph: (305)364-9952 Fax:(305)828-5118 GLASS SERIES 2000 ALUMINUM SINGLE HUNG

NON-IMPACT RESISTANT

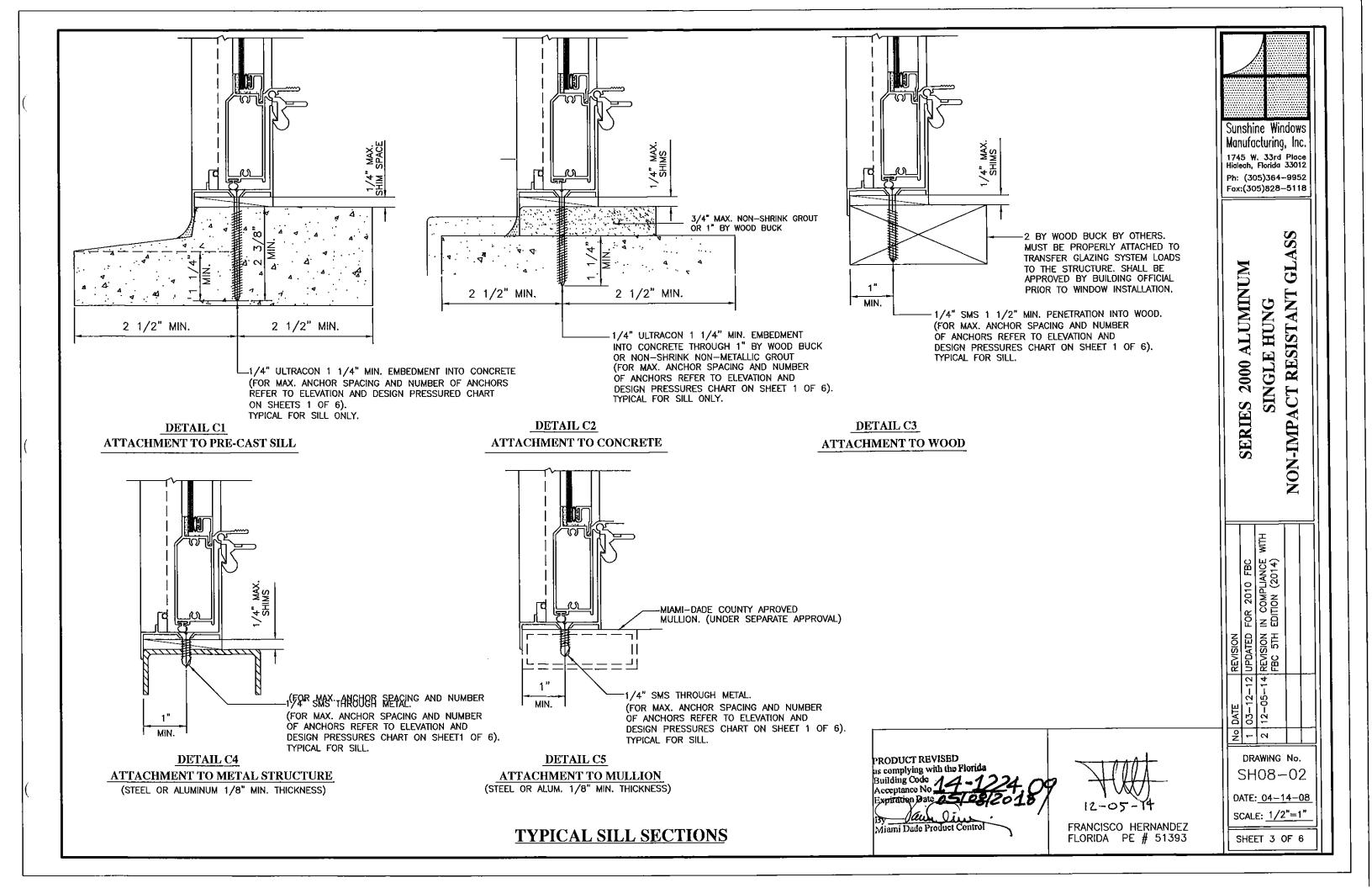
FOR 2010 FBC IN COMPLIANCE EDITION (2014) REVISION UPDATED REVISION I FBC 5TH I 2 4 No 1

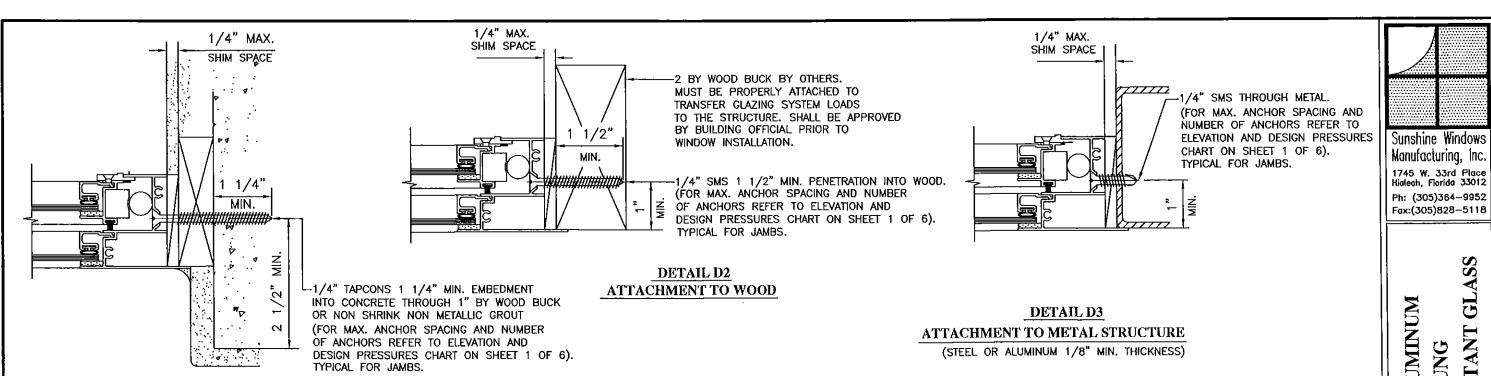
> DRAWING No. SH08-02

DATE: 04-14-08 SCALE: 1/2"=1"

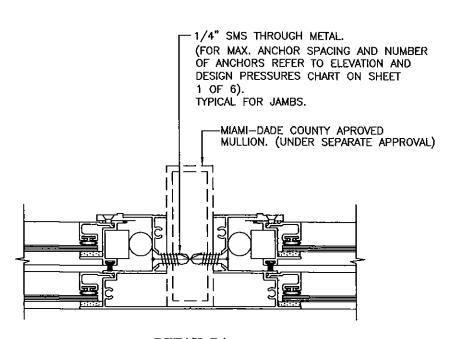
SHEET 2 OF 6

TYPICAL HEAD SECTIONS



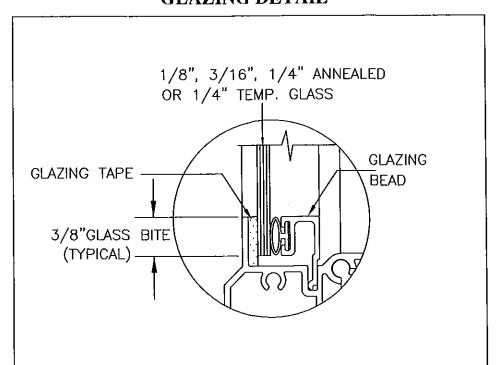


<u>DETAIL D1</u> ATTACHMENT TO CONCRETE



DETAIL D4
ATTACHMENT TO MULLION

GLAZING DETAIL



PRODUCT REVISED

Is complying with the Florida

Building Code

Acceptance No

Expiration Date 5/08/2018

By

Miarri Dade Product Control

12-05-14

FRANCISCO HERNANDEZ FLORIDA PE # 51393 SERIES 2000 ALUMINUM
SINGLE HUNG
NON-IMPACT RESISTANT GLASS

No DATE REVISION
1 03-12-12 UPDATED FOR 2010 FBC
2 12-05-14 REVISION IN COMPLIANCE WITH
FBC 5TH EDITION (2014)

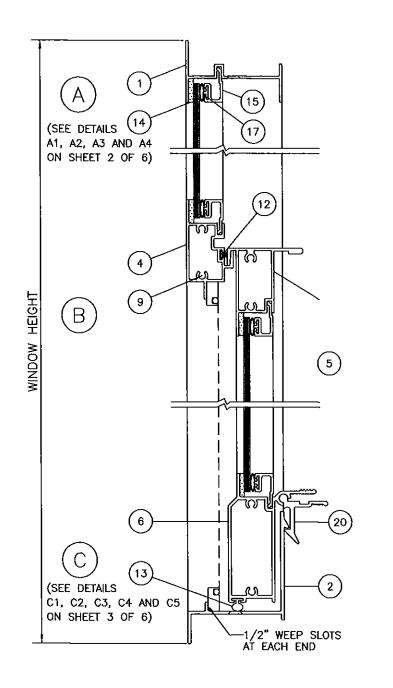
DRAWING No. SH08-02

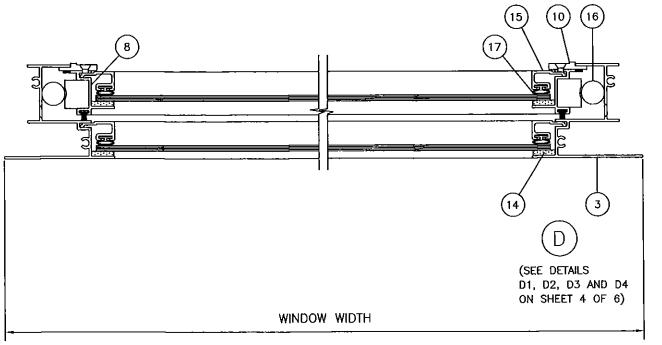
DATE: 04-14-08

SCALE: 1/2"=1"

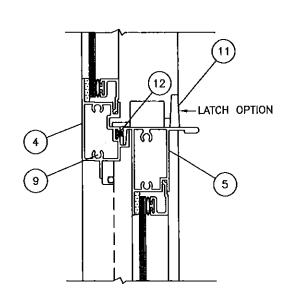
SHEET 4 OF 6

TYPICAL JAMB SECTIONS





HORIZONTAL SECTION



VERTICAL SECTION

VERTICAL SECTION WITH TOP LOCK

NON- IMPACT RESISTANT WINDOW

PRODUCT REVISED
as complying with the Florida
Building Code Miami Dade Product Contro

FRANCISCO HERNANDEZ FLORIDA PE # 51393

Manufacturing, Inc.

1745 W. 33rd Place Hioleah, Florido 33012 Ph: (305)364-9952 Fax:(305)828-5118

GLASS SERIES 2000 ALUMINUM NON-IMPACT RESISTANT SINGLE HUNG

DRAWING No. SH08-02

DATE: 4-14-08 SCALE: 1/2"=1"

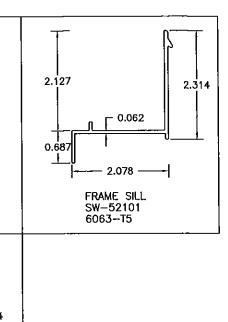
SHEET 5 OF 6

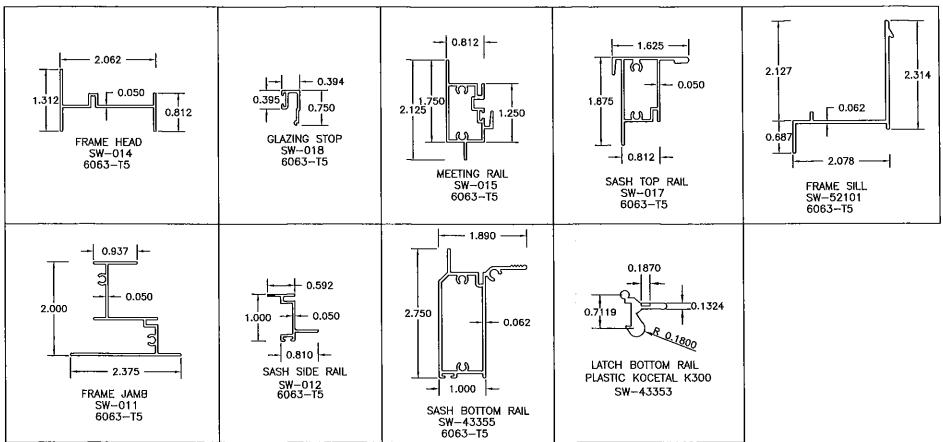
MATERIAL LIST

| TTEM# | PART# | REQD. | DESCRIPTION | MATERIAL | |
|-------|----------|--------|------------------|------------|--|
| 1 | SW-014 | 1 | FRAME HEAD | 6063-T5 | |
| 2 | SW-52101 | 1 | FRAME SILL | 6063-T5 | |
| 3 | SW-011 | 2 | FRAME JAMB | 6063-T5 | |
| 4 | SW-40111 | 1 | MEETING RAIL | 6063T5 | |
| 5 | SW-017 | 1 | SASH TOP RAIL | 6063-T5 | |
| 6 | SW-43355 | 1 | SASH BOTTOM RAIL | 6063-T5 | |
| 7 | SW8202B | 2 | SASH CAM | NYLON | |
| 8 | SW-012 | 2 | SASH SIDE RAIL | 6063T5 | |
| 9 | SW-AS | 14 | ASSEMBLY SCREWS | # 8X1" SMS | |
| 10 | SW-8202A | 4/VENT | FACE GUIDES | NYLON | |

MATERIAL LIST

| ITEM# | PART# REQD. | | DESCRIPTION | MATERIAL |
|-------|--------------------|----------------------------|--------------------|----------|
| 11 | SW43353 | 2/VENT | LATCH BOTTOM RAIL | PLASTIC |
| 12 | SW-1820 | AS RQD | SEAL PILE | FELT |
| 13 | SW-3257 | AS RQD | WEATHER STRIP BULB | VINYL |
| 14 | SW1520 | SW1520 AS RQD GLAZING TAPE | | FOAM |
| 15 | SW-018 | AS RQD | GLAZING BEAD | 6063-T5 |
| 16 | SW-540 | 2 | SPIRAL BALANCE | ALUMINUM |
| 17 | SW-667 2/VENT LATO | | LATCH | ZINC |
| 18 | SW-3082 | AS RQD | WEATHER STRIP BULB | VINYL |





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GLASS SERIES 2000 ALUMINUM NON-IMPACT RESISTANT SINGLE HUNG

No DATE REVISION

1 03-06-12 NO CHANGE THIS SHEET

2 12-05-14 REVISION IN COMPLIANCE W
FBC 5TH EDITION (2014)

DRAWING No. SH08-02

DATE: 4-14-08 SCALE: 1/2"=1"

SHEET 6 OF 6

NON- IMPACT RESISTANT WINDOW